

REDACTED

FILE CODE GAMMA SURVEY

DATE 11/21/85

NAME Byrne FINGER

PHONE (b) (6)

TYPE OF REQUEST

Requests for survey of house
they are presently renting

CONDITIONS FOUND AND ACTION TAKEN

Only BACKGROUND LEVELS (2.6 mR/hr)
found inside house - MRS FINGER INFORMED.

NO FURTHER ACTION TAKEN

INVESTIGATED BY

Don McNally

DATE

11/21/85

RAD/9 Radiological Health Investigation and Complaint Card

SITE: Florida Phosphate

BREAK: 17.8

OTHER: v. 41



10518250

DATE		REMARKS ON FOLLOW-UP VISITS	INITIAL
	Foyer	NR/hm	
	LR	5	
	FR	5	
	DR	4	
	K	5	
	BR	4	
	BR	4	
		Background levels ONLY	

November 9, 1985

Mr. Michael Gilley
Radiological Health Section
Polk County Health Department
P.O. Box 1480
Winter Haven, FL 33880

Dear Mr. Gilley:

My husband talked to you last week about the effects of phosphate in the ground in the Lakeland area. We are concerned about the effects this has on both housing and the drinking water.

You indicated, if we so desired, an inspection could be done of our house by the Polk County Health Dept. to determine if we are in a high-risk area. Please call me at (b) (6) and let me know when it would be convenient to come out.

Thank you for your help.

Sincerely,

Jayne Finger

11-12-85 - ~~XX~~ ~~XX~~ Not here
11-13-85 - ~~XX~~ X
11-14-85 - ~~XX~~ X
11-19-85 X X

FILE CODE Gamma survey

DATE 1/5/86

NAME Bruce Finger

PHONE (b) (6)

TYPE OF REQUEST Gamma survey of lot prior to purchase

CONDITIONS FOUND AND ACTION TAKEN

See attached map of survey

Results reported by letter (copy attached)

INVESTIGATED BY

JLM

DATE

1/9/86

RAD/9. Radiological Health Investigation and Complaint Card

January 3, 1986

Mr. Michael Gilley
Radiological Health Section
Polk County Health Dept.
P.O. Box 1480
Winter Haven, FL 33830

Dear Mr. Gilley:

I am requesting a gamma survey be done on Lot #10 in The Pinnacle in Lakeland. The Pinnacle, is located between 37A and 37B one block south of Lake Miriam Drive on Live Oak. The lot is between house numbers 1854 and 1866 Pinnacle Drive, which is on the south side of the street



DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

STATE OF FLORIDA
Bob Graham, Governor

DISTRICT SIX POLK COUNTY PUBLIC HEALTH UNIT

DIRECT SERVICE UNITS

1755 HOLLAND PKWY., SOUTH
BARTOW, FLORIDA 33830

111 NORTH 11TH STREET
HAINES CITY, FLORIDA 33844

G.A. REICH, M.D., M.P.H.
DIRECTOR

229 AVENUE D, N.W.
P.O. BOX 1480
WINTER HAVEN, FLORIDA
33882-1480

DIRECT SERVICE UNITS

1333 NORTH FLORIDA AVENUE
LAKELAND, FLORIDA 33805

305 WEST CENTRAL AVENUE
LAKE WALES, FLORIDA 33853

Radiological and Occupational Health Section

January 9, 1986

Bruce Finger

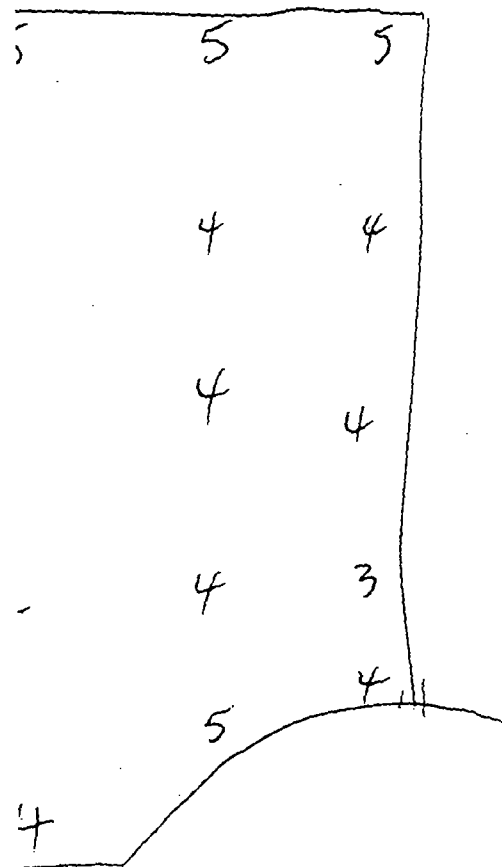
(b) (6)

Dear Sir:

On January 9, 1986, a gamma survey was performed on lot 10 of The Pinnacle in Lakeland, Florida. This lot is located between 1854 and 1866 Pinnacle Drive. Twenty-five gamma readings were made using a Ludlum Model 12S (S.N. 4633) with a resulting average reading of 4.02/hr. This is considered a background

Lodum # 4633

1/9/86 Jm



1866
Pinnacle

N
↓

FILE CODE RAD HEALTH - GAMMA SURVEY DATE 6/18/79 Pine Lake Estates

NAME Gere Lansdale PHONE (b) (6)

TYPE OF REQUEST WANTS home check (b) (6)

CONDITIONS FOUND AND ACTION TAKEN GAMMA SURVEYED HOME INSIDE
& OUTSIDE. AVG. OUTSIDE WAS 4 uR/hr AND
INSIDE AVG WAS 5 uR/hr. I EXPLAINED TO
MRS. LANSDALE THAT THESE WERE BACKGROUND
AVERAGES AND NO NEED FOR FURTHER TESTING
AT THIS TIME. SHE REQUESTED A LETTER
BE SENT EXPLAINING MY FINDINGS.

INVESTIGATED BY KBM DATE 6/29/79
RAD/9 Radiological Health Investigation and Complaint Card

Radiological And Occupational Health
Post Office Box 1480
Winter Haven, Florida 33880

July 3, 1979

Rad. H./ Radiation Survey

Mr. and Mrs. Gene Lansdale

(b) (6)

Dear Mr. and Mrs. Lansdale:

I recently conducted a gamma radiation survey of your home at (b) (6). The average reading recorded outside your home was 4 microroentgens per hour (uR/hr) while the average reading inside was 5.5 microroentgens per hour. These readings are similar to that found on natural unmined land throughout the state of Florida.

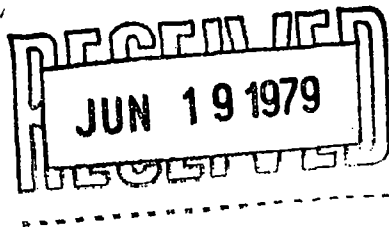
Also, interim recommendations for radiation levels on Florida phosphate lands from the Environmental Protection Agency states that construction may be initiated on any land indicating gamma radiation levels less than 10 uR/hr.

If we can be of further help, please feel free to call on us:
Radiological And Occupational Health
294-7481, ext. 276

Sincerely,

Keith Bronson Moore
Industrial Hygienist I

KBM/rch



PINE LAKE

(b) (6)

JUNE 18, 1979

MR HARLAN KEATON

P.O. Box 1480

WINTER HAVEN, FL. 33880

11 O'CLOCK
where?

~~DEAR SIR:~~

TO CONFIRM MY PHONE CONVERSATION
WITH YOUR OFFICE TODAY I REQUEST THAT
YOU PERFORM A SURVEY TEST FOR RADIATION
AT MY PROPERTY LOCATED AT:

(b) (6)

THANKS.

GENE LANDSDALE.

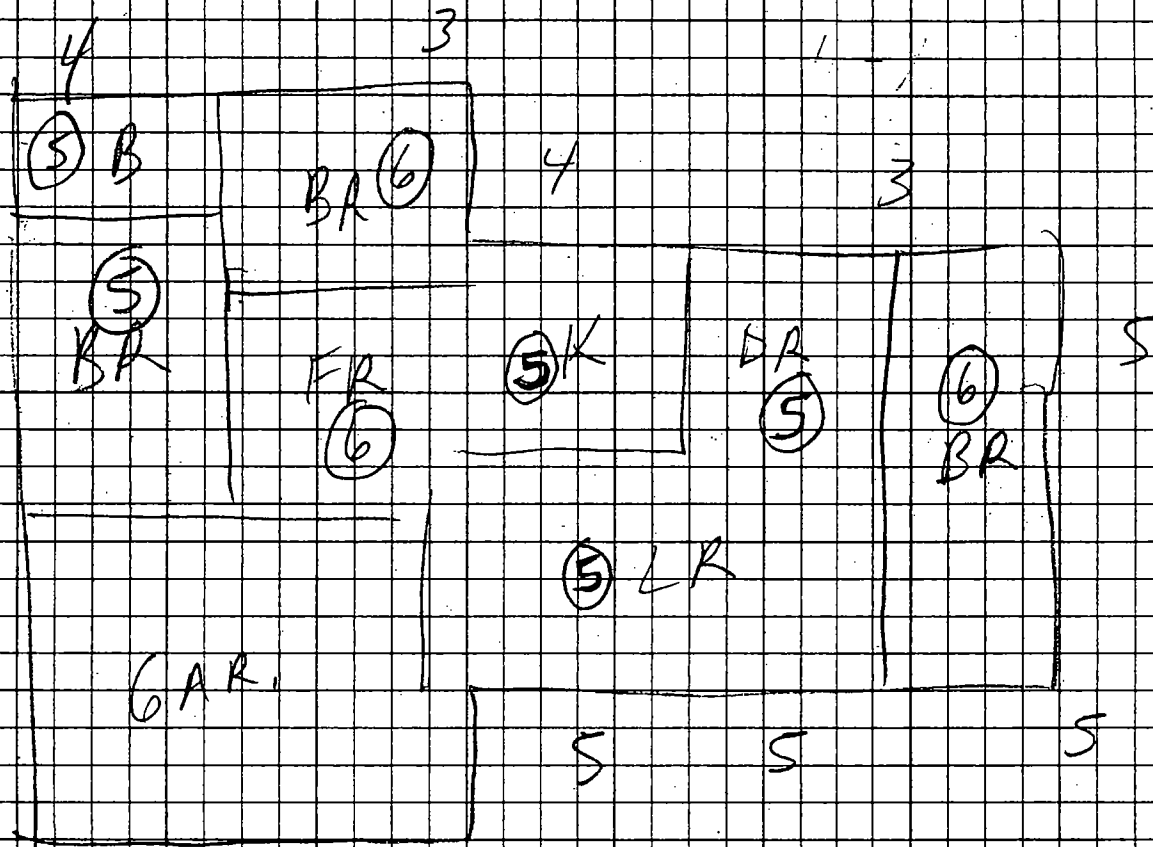
~~LETTER~~

CARD LOCATION NO. CITY COUNTY STATE DATE FORM COMPLETED MONTH YEAR

ADDRESS NUMBER DIR. NAME (b) (6) OCCUPANTS NAME OWNERS NAME (OWNERS ADDRESS)

CLASSIFICATION GAMMA SCREEN ANOMALY RADIATION GAMMA MAP

CARD LOCATION NUMBER CITY COUNTY STATE LOCATION CODE Twosp Range Section 1/4 Sec. Block Owner Number Lot HOG LOG HIG LOCATION HIG TYPE OF STRUCTURE NUMBER OF LEVELS MATERIAL A/C 100% 0. Bedroom 46 1. Living Room 2. Kitchen 3. Den-Family Room 4. Dining Room 5. Attached Garage 6. Basement 7. Work shop 8. Other 9. More than one locati FREE PUNCH COMMENT



FILE CODE RAD. HEALTH-GAMMA SURVEY

DATE 7/31/79

NAME ~~Kitt~~ Mr. Blitch PHONE _____

ADDRESS _____

(b) (6)

TYPE OF REQUEST Radiation survey.

CONDITIONS FOUND AND ACTION TAKEN Did gamma survey. Low 2-3 μ r/hr
wrote letter discussing results

INVESTIGATED BY K. B. Moore

DATE 7/31/79

RAD/9 Radiological Health Investigation and Complaint Card

Radiological And Occupational Health
Post Office Box 1480
Winter Haven, Florida 33880

July 31, 1979

Rad. H./ Gamma Survey

N.A. Blich

(b) (6)

Dear Mr. Blich:

I performed a gamma radiation survey of your property last week to determine the quantity of radiation emitted due to the terrestrial environment. Your levels varied between 2-3 microroentgens per hour (ur/hr - a dose rate of radiation measured in air) which are some of the lowest readings we have found in this county. Normal background radiation for the state varies between 4-6 ur/hr.

There would be no problem in constructing a home on this property indicating those levels.

Sincerely,

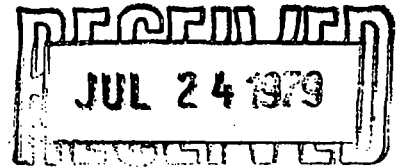
Keith B. Moore
Industrial Hygienist I

KBM/rch

(b) (6)

July 17, 1979

POLK COUNTY HEALTH DEPT.
RADIOLOGICAL DEPT.
P.O. Box 1480
WINTER HAVEN, FL 33880



DEAR SIR:

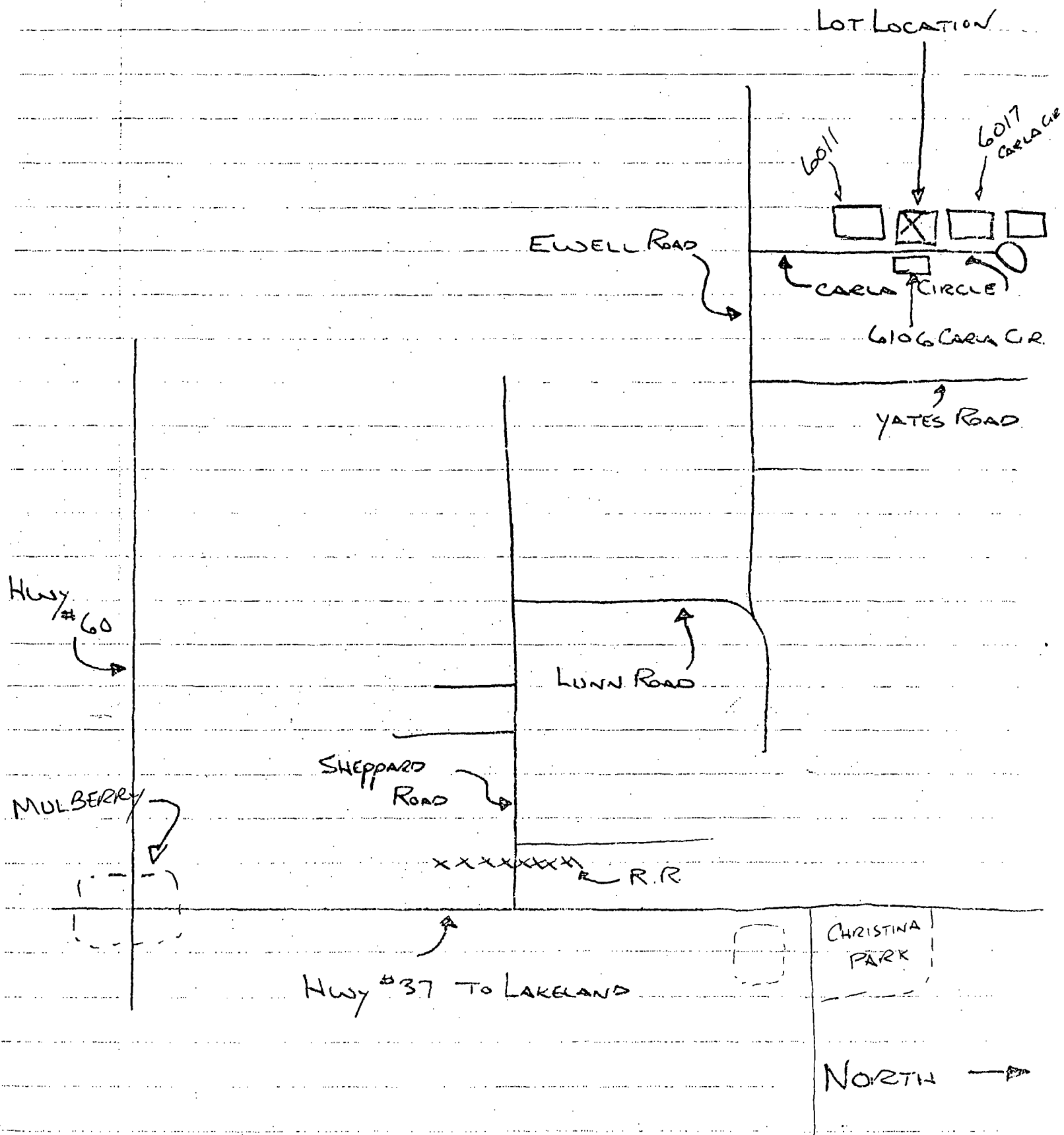
WOULD YOU PLEASE PERFORM A
RADIATION SURVEY AT MY PROPERTY IN
OAKVIEW ESTATES. I'M PLANNING TO BUILD
A HOUSE THERE AND WOULD APPRECIATE
ANY COMMENTS YOU MAY HAVE.

THANK-YOU

YOURS TRULY

(b) (6)

P.S. A SKETCH IS ENCLOSED TO HELP
YOU LOCATE THE PROPERTY.



67 68 69 70 71 72 73 74 75 76 77 78 79 80

2-3

3

3

3

3

2

CARLA

FILE CODE Gamma Survey

DATE 4-18-85

NAME E. Snow Martin

PHONE (b) (6)

TYPE OF REQUEST Survey requested by attached letter

CONDITIONS FOUND AND ACTION TAKEN Survey performed, Results recorded on house plan drawing attached. The survey was performed with and explained to Mrs Martin during the visit. No letter of this survey Results were required by the occupant

Inside X-7
Outside X-7

INVESTIGATED BY [Signature]

DATE 4/23/85

RAD/9 Radiological Health Investigation and Complaint Card

Location File

State

1	2	3	4	5

L	K	L	P
6	7	8	9

P	O	I	K
11	12	13	

F	L
15	16

Address

Number

Street

18 19 20 21 22 (b) (6)

(b) (6)

Occupant

Code

A

S	N	O	W	,	M	A	R	T	I	N							
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57

Data File (CARD A)

Location No.

GF
Gamma

Outdoor Gamma

A horizontal number line with five equal segments, labeled 1, 2, 3, 4, and 5 from left to right. A tick mark is drawn in the middle of the segment between 2 and 3, representing the value 2.5.

7	8	9

11	12	13

Classification

Type Structure

No. of Levels

Material

Air Conditioning

27

2
29

31

33

Always
35

0. Vacant Lot
1. Residence single family
2. Multiple (4 families)
3. Apartment (>4)
4. Motel, hotel
5. Single business
6. Multiple business
7. School
8. Church
9. Other

1. Basement
2. Slabongrade
3. Crawlspace
4. Trailer
5. Unknown

1. Masonry
2. Non-masonry

1. Yes
2. No

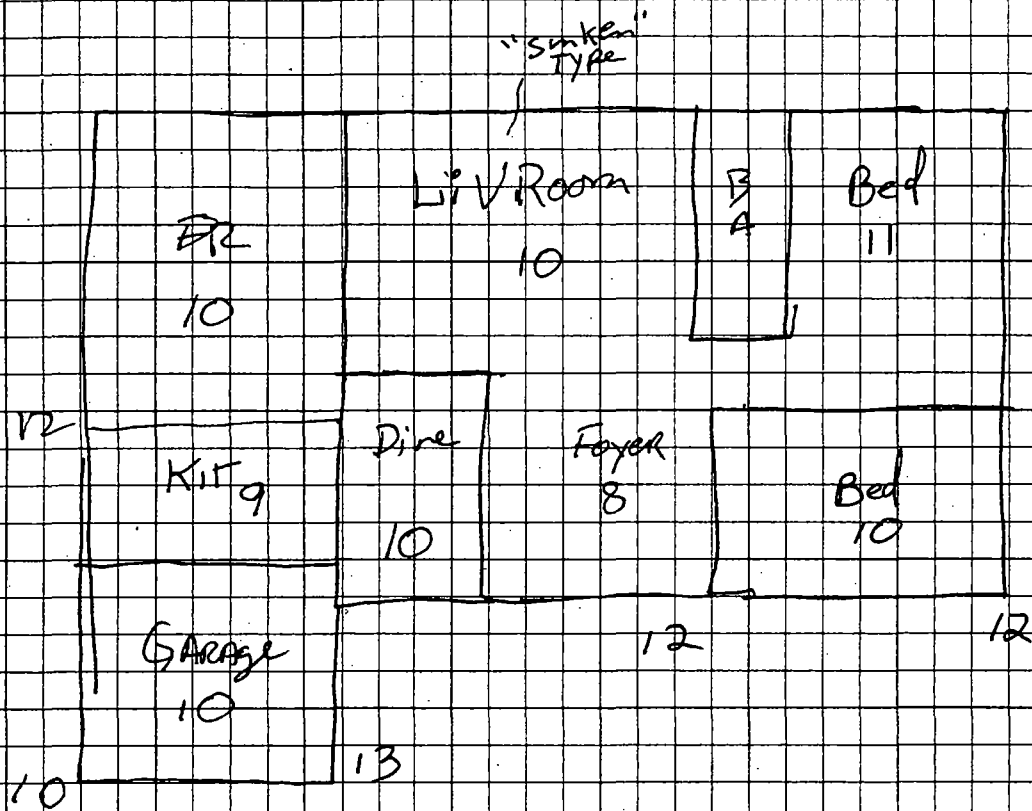
Date _____

Card Code

Yr Mo Day

8	5	0	4	1	8
37	38	39	40	41	42

O	R	I	G
77	78	79	80



Lvd/m # 7152

<u>Lvd/m</u>	<u>PIC</u>
8	7
9	8
10	9
11	10
12	10.5
13	11

(b) (6)

FILE CODE Gamma survey

DATE 4/26/79

NAME W. David Carrier, III

PHONE (b) (6)

TYPE OF REQUEST Gamma survey of property

CONDITIONS FOUND AND ACTION TAKEN Did survey and found elevated readings. avg 26 mR/hr

Sent letter

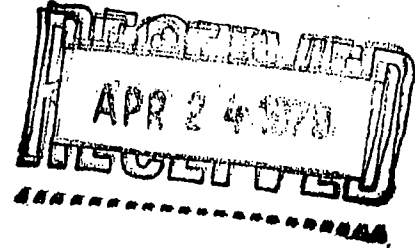
INVESTIGATED BY K. B. Moore

DATE 4/26/79

RAD/9 Radiological Health Investigation and Complaint Card

P. O. Box 5467
Lakeland, Florida 33803

April 20, 1979



Radiological and Occupational Health Office
P. O. Box 1480
Winter Haven, Florida 33880

Attention Mr. Keith Moore

Dear Mr. Moore:

This will confirm our telephone conversation the other day. I hereby give you permission to enter my property for the purpose of determining the radiation level.

The property is (b) (6)

The street address will be (b) (6)

The lot is to the (b) (6)

If you have a question regarding the location of the lot, please call me at (b) (6)

Thank you very much.

Sincerely,

W. David Carrier, III
W. David Carrier, III

Source 7,000 dpm
 Counter 2,000 cpm

3,153 micro-micro curies
 .000000003.153 curies
 .000003153 millicuries
 → .003153 μC

3.7×10^{10} dps
 3.7×10^7 " "
 3.7×10^4 " "
 3.7×10^{-2} dps or 2.22 dpm

1 curie
 millicurie
 micro-
 1 micro-micro

1 curie
 1000 milli
 1,000,000 micro
 1,000,000,000,000 micro-micro

1000 micro-micro curies

3.7,000,000,000

1 cpm = 3.5 dpm = .0000015 μC

$3.7 \times 10,000$

3.7,000,000,000

1000 m 1 curie
 1000 500.5 millicurie 15 curies

$$\frac{21,000 \text{ cpm}}{7,000 \text{ dpm}} = \frac{.003 \mu\text{C}}{X \cdot 1 \text{ dpm}}$$

$$\frac{3.153 \times 10^3 \times 10^{-12}}{1 \times 10^{12}} = 3.153 \times 10^{-21}$$

$$21 \text{ dpm } \mu\text{C} = 2000 \text{ cpm} = X$$

$$\frac{21}{2000}$$

$$2012 \text{ cpm}$$

$$11 = X$$

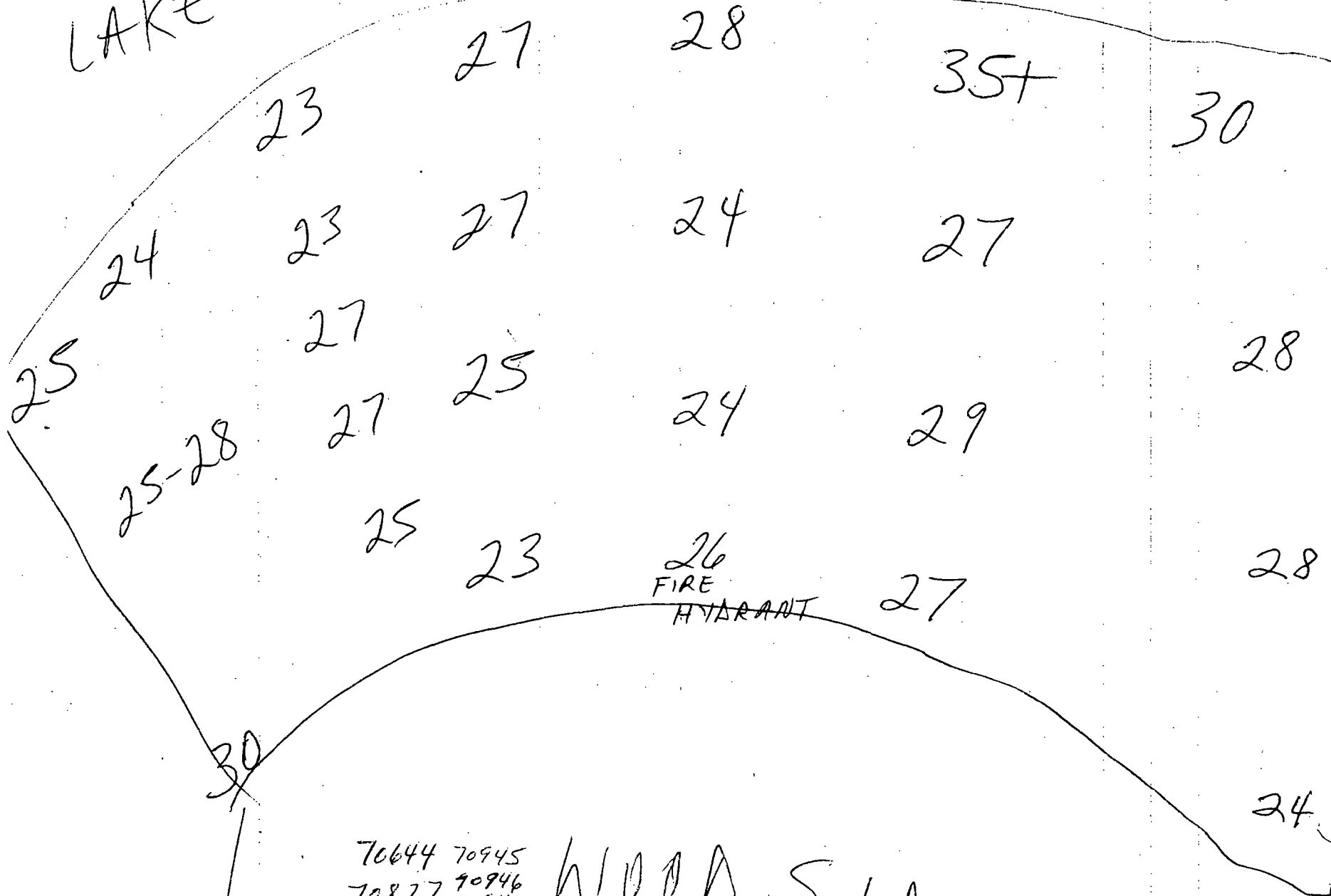
$$(2 \times 10^3) (1.5 \times 10^{-6})$$

$$3 \times 10^{-3}$$

.003 μC

LAKE

LAKE



70644 70945
70877 70946
70895 70947
70897 70948
70905 70952
70906 70955

WOODSIDE

(b) (6)

Radiological And Occupational Health
Post Office Box 1480
Winter Haven, Florida 33880

May 30, 1979

Mrs. Virgil McFadden

(b) (6)

Dear Mrs. McFadden:

This office performed a gamma survey on Lot (b) (6), as per your request. Exposure levels were found to be equal to the average background levels found throughout Central Florida, phosphate region or non-phosphate region, exposure rates were measured at 5 to 7 micro-Roentgens per hour level.

Please contact this office if we can be of further assistance.

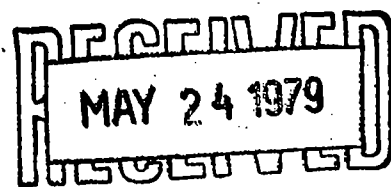
Sincerely,

Norman M. Gilley
Public Health Physicist I

NMG/rch

May 21, 1979

Radiological Health Dept.
P.O. Box 1480
Winter Haven, Fla. 33880



Dear Sirs:

We recently read in a Health magazine where there is an area around Lakeland that has a landfill that is letting off radon gas which is a known cause of lung cancer.

We bought a lot in (b) (6).

(b) (6)

We were told we could have the soil tested to see if it is safe to build on, at no charge. Could you please do this?

Our son lives at (b) (6)
(b) (6)

and his phone number is (b) (6)
His name is Keith M^c Fadden.

We would appreciate your telling
him the results.

Sincerely,

(b) (6)

P.S. The lot is # (b) (6)